Title (en)

PROCESS FOR THE PRODUCTION OF MONOLITHS BY MEANS OF THE SOL-GEL PROCESS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON MONOLITHEN NACH DEM SOL-GEL-VERFAHREN

Title (fr)

PROCÉDÉ DE FABRICATION DE MONOLITHES PAR VOIE SOL-GEL

Publication

EP 1868949 A1 20071226 (EN)

Application

EP 06708105 A 20060208

Priority

- EP 2006050759 W 20060208
- EP 05005096 A 20050309
- EP 06708105 A 20060208

Abstract (en)

[origin: EP1700831A1] Process for the production of monoliths by means of the sol-gel process, comprising the following steps: a. hydrolysis of an alkoxide in aqueous solution to form a hydrolysate and optionally evaporation to optimum concentration of the same, b. addition of an oxide prepared by the pyrogenic route, c. mixing of the hydrolysate of the alkoxide with the oxide prepared by the pyrogenic route to form a colloidal sol, d. optional removal of coarse contents from the colloidal sol, e. gelling of the colloidal sol in a mould, f. optional replacement of the water contained in the resulting aerogel by an organic solvent, g. drying of the aerogel, h. heat treatment of the dried aerogel, the coarse content being removed from the colloidal sol.

IPC 8 full level

C03B 19/12 (2006.01); **C03B 20/00** (2006.01); **C03C 1/00** (2006.01); **C03C 3/06** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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